

REMARKS

Claim Amendments

Claim 1 is amended herein to correct minor typographical errors. Claims 1, 8, 9, 18, 25, 26, 42, 43, 47 and 48 have been amended herein to replace the phrase “the linear chain” with the phrase “the alkylene chain”. Support for this amendment can be found through the specification, for example at page 11, line 24 and page 16, lines 25-26, and in Claim 42 and in the definitions of Y¹ and Y² as originally filed. Claims 18, 43 and 48 have been amended herein to include the subject matter of Claim 20. Claim 20 has been canceled herein. Claims 30, 44 and 49 have been amend to remove the proviso. Additionally, Claim 49 has been amended to recite a definition of Cy that is consistent with elected subject matter. No new matter has been added.

Rejection of Claims 1, 3, 6-18, 20, 23-29, 42-44, 47-49, 57, 59, 61 and 62 Under 35 U.S.C. §112, Second Paragraph.

Claims 1, 3, 6-18, 20, 23-29, 42-44, 47-49, 57, 59, 61 and 62 are rejected under 35 U.S.C. §112, second paragraph, as being indefinite for failing to point out and distinctly claim the subject matter Applicants regard as the invention. The rejections will be addressed in the order made by the Examiner.

Claim 1 is rejected for the recitation of the term “caramoyl”. The recitation of the term “caramoyl” is a result of a minor typographical error. Claim 1 has been amended herein to replace the term “caramoyl” with the correct term “carbamoyl”. Reconsideration and withdrawal of the rejection as it applies to this claim is respectfully requested.

Claims 1, 8, 9, 18, 25, 26, 42, 43, 47 and 48 are rejected for the recitation of the phrase “the linear chain”, which according to the office action lacks antecedent basis. These claims have been amended herein to replace this phrase with the phrase “the alkylene chain”. Reconsideration and withdrawal of the rejection as it applies to these claims is respectfully requested.

Claim 49 is rejected for reciting a definition of Cy and a proviso which is outside the scope of elected subject matter. Claim 49 has been amended herein to recite a

definition of Cy that is consistent with elected subject matter and to remove the proviso. Reconsideration and withdrawal of the rejection are respectfully requested.

Rejection of Claims 18, 20, 23-29 and 43 Under 35 U.S.C. §103(a)

Claims 18, 20, 23-29 and 43 are rejected under 35 U.S.C. §103(a) as being unpatentable over Guthrie *et al.* (US 5,344,843).

Guthrie teaches a formula wherein the heterocyclic moiety may be a substituted thiophene. Claim 18 recites a composition wherein the heterocyclic moiety may be an unsubstituted thiophene, which is neither taught nor suggested by Guthrie. Additionally, Claim 18 has been amended herein to include the subject matter of Claim 20. If the heterocyclic moiety of Claim 18 is a substituted thiophene, the substituents are neither taught nor suggested by Guthrie. Moreover, Claim 20 recites substituents for a molecule that inhibits histone deacetylase. Guthrie neither teaches nor suggests anything about inhibition of histone deacetylase. One of skill in the art would not be motivated by the teachings of Guthrie to make a compound that had different substituents to create a compound that is an inhibitor of histone deacetylase. Reconsideration and withdrawal of the rejection are respectfully requested.

CONCLUSION

In view of the above amendments and remarks, it is believed that all claims are in condition for allowance, and it is respectfully requested that the application be passed to issue. If the Examiner feels that a telephone conference would expedite prosecution of this case, the Examiner is invited to call the undersigned.

Respectfully submitted,

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